Annexure No. 9

[*Vide Unstarred question No.* 2458 (a) *to* (d) *answered on* 17*th August* 2005]

Project wise details of hydro electric projects and thermal power projects appraised and TEC accorded during 9th & 10th Plan alongwith time and cost overruns.

(A) HYDRO ELECTRIC SCHEMES ACCORDED TEC BY CEA

(During 9th and 10th Plan up to 11.08.2005)

Sl. No.	Name of Scheme	State	Sector/ Organi-sation	Total Cap MW	Date of receipt of DPR	Date of CEA clearance	CEA Cleared Est. Cost (Crs)	Latest Cost (Crs.)	Commissiong Schedule Original	Commissiong Actual	Time Over-run
	PROJECTS CLEARED DURING 9TH PLAN PERIOD (1997-2002)										
1	Chamera St-II	H.P.	NHPC	300	12/1997	27.07 1998	1364.08	1684.02	2004-05	2003-04	-
2	Turial	Mizo	NEEPCO	60	01/1997	10.08.1998	448.19	808.55	2005-07	2008-09	3 years
3	Tuivai	Mizo	NEEPCO	210	04/1997	19.02.1999	1258 84	Yet to be sanctioned			
4	Teesta St-V	Sikkim	NHPC	510	03/1998	26.02.1999	2568 09	2198.04	2006-07	2006-07	-
5	Loktak D/S	Mani	NHPC	90	03/1998	26.02.1999	667.46	578.62	2006-07	2008-09	2 years
6	Myntdu	Megh.	State	84	10/1998	20 09.1999	285.36	363.08	2006-07	2007-08	1 year
7	Largi	H P.	State	126	03/1999	14.01.2000	796.98	875.7	2002-03	2005-06	3 years
8	Maneri Bhali St-II	U.P.	State	304	08/1998	21.02.2000	1249.18	1714.41	2003-05	2006-07	3 years
9	Shrinagar	U P.	Private	330	04/2000	14.06.2000	1699.12	1699.12	2005-06	2009-10	4 years
10	Bairabi	Mizo.	State	80	05/2000	09.11.2000	549.43	Yet to be sanctioned			
11	Parbati St-II	H.P.	NHPC	800	10/2000	03.01.2001	4478.24	3919.59	2009-10	2009-10	-
12	Balimela Extn (U-7&8)	Ori.	State	150	05/1998	05.01.2001	200 09	212.4	2006-07	2006-07	-
13	Dhamwari Sunda		H.P Private	70	02/1999	06.07.2001	439.95	439.96	2006-07	2010-11	4 years
14	Almatti	Kar.	State	290	04/2001	28.02.2002	674.38	674.38	2004-06	2004-06	-
	Total: 1997—2002			3404							
	Projects Cleared during 10th Plan Period (2002—07) (Up to 11.08.2005)										

15	Kol Dam	H.P.	NTPC	800	06/2001	30.06.2002	5399.52	4257.15	2008-10	2008-10	-
16	Allain Duhangan	H.P.	Private	192	03/2002	20 08.2002	922 355	922.35	2008-09	2008-09	-
17	Uhl St-III	H.P.	State	100	08/2001	19.09.2002	431.56	431.56	2006-07	2007-08	1 year
18	Sewa Stage II	J&K	NHPC	120	06/2002	18.10.2002	675 25	665.46	2006-07	2007-08	1 year
19	Teesta LD st-III	WB	NHPC	132	06/2002	28.11.2002	782 82	768 92	2006-07	2007-08	1 Year
20	Subansiri Lower	Ar. P	NHPC	2000	06/2001	13 01.2003	6608 68	628.533	2009-10	2009-10	-
21	Jalaput Dam Toe	Ori./A.P.	Private	18	02/2002	31.01.2003	69 68				
22	Karcham Wangtoo	H.P.	Private	1000	12/2000	31.03.2003	5909.59	5909.59	2009-10	2009-10	-
23	Tipaimukh	Mani.	NEEPCO	1500	12/2002	02.07.2003	5163.86	Yet to be sanctioned.			
24	Kishanganga	J&K	NHPC	330	07/2000	06 08.2003	3186.32	Revised proposal submitted by NHPC is under advance stage of examination in CEA/CWC			
25	Chamera St-III	H.P.	NHPC	231	06/2003	10 10.2003	1364.01	PIB held on 13.05.2005			
26	Parbati St-III	H.P.	NHPC	520	08/2003	12.11.2003	2228.41	PIB held on 15 07.2005			
27	Teesta LD St-IV	W.B.	NHPC	160	09/2003	23.12.2003	998.36	PIB held on 24.06.2005			
28	Uri-II	J&K	NHPC	240	08/2003	11.02.2004	1695.73	PIB held on 09.05.2005			
29	Nimoo Bazgo	J&K	NHPC	45	12/2003	16.03.2004	631.54	PIB held on 08.06 2005			
30	Chutak	J&K	NHPC	44	01/2004	23.04.2004	674 97	PIB held on 08.06 2005			
31	Loharinagnala	Utt	NTPC	600	07/2004	11.08.2004	2417 78	Investment decision of NTPC Board is awaited			
32	Tapovan Vishnugad	Utt	NTPC	520	07/2004	11.08.2004	2545.53	Investment decision of NTPC Board is awaited			
33	Matnar	Chh.	State	60	07/2004	19.08.2004	313.35	Yet to be sanctioned			
34	Athirappilly	Kerala	State	163	12/2004	31.03.2005	385.63	Yet to be sanctioned.			
	TOTAL: 2002-07 (Up to 11.08.2005):			**8775**							
	TOTAL: 1992-05 (Up to 11.08.2005):			**12179.0**							

(B) Status of Thermal Power Schemes Received for TEC in CEA During 9th and 10th Plan

Sl. No.	Name of Scheme	State	Sector	Capacity No of Units X MW	Total Capacity (MW)	Date of Receipt of DPR	Date of CEA Clearance
1	2	3	4	5	6	7	8
1.	Narsingh Naphtha based CCGT Plant- M/s GBL Power Ltd.	M.P.	Private	166	166	5/97	27.6.1997
2.	Pench TPP- M/s Pench Power India Ltd.	M.P.	Private	2X250	500	4/97	19.9.1997
3.	Guna CCGT Project M/s STI Power India Ltd.	M.P.	Private	347.25	347.25	6/97	19.9.1997
4.	Ratlam DGPP- M/s GVK (Ratlam) Power Ltd.)	M.P.	Private	118.63	118.63	7/97	10.2.1998
5.	Dholpur Naphtha based CCGT Project— M/s RPG Dholpur Power Co. Ltd.	Rajasthan	Private	702.7	702.7	7/97	12.3.1998
6.	Barsingsar Lignite based TPP - M/s Hindustan Vidyut Corp. Ltd.	Rajasthan	Private	2X250	500	6/97	20.4.1998
7.	Khandwa CCGT M/s Madhya Bharat Energy Corp. Ltd.	M.P.	Private	1X112.27 GT +1X58.9 ST	117.17	4/97	29.5.1998
8.	Kawas CCGT St-II-NTPC	Gujarat	Central	650	650	5/97	19.8.1998
9.	Anta St-II CCGT Project-NTPC	Rajasthan	Central	650	650	5/97	19.8.1998
10.	Krishnapatnam 'B' TPS- M/s BBI Krishnapatnam Power Co.	A.P.	Private	2X260	520	10/97	16.6.1998
11.	Guna CCGT M/s STI Power India Ltd.	M.P.	Private	330	330	3/98	22.7.1998
12.	Auraiya CCGT-St. II -NTPC	U.P.	Central	650	650	6/97	30.11.1998
13.	Jhanor Gandhar CCGT-St. II NTPC	Gujarat	Central	650	650	11/97	12.11.1998
14.	Ramagundam TPP St-III-NTPC	A.P.	Central	1X500	650	9/98	29.4.1999
15.	Ib Valley TPP-M/s AES Ib Valley Power Corpn. Ltd.	Orissa	Private	2X250	500	8/97	26.2.1999
16.	Vemagiri CCGT -M/s Ispat Power Ltd.	A.P.	Private	492	492	10/98	14.1.1999
17.	Nagarjuna TPP M/s Nagarjuna Power Corpn. Ltd.	Karnataka	Private	2X507.5 -1015	1015	7/98	29.04.1999

1	2	3	4	5	6	7	8
18.	Parli TPS Extn. St-I M/S MSEB	Maha-rashtra	State	1X250	250	8/98	09.07.99
19.	Suratgarh TPS St-II M/S RSEB	Raja-sthan	State	2X250	500	9/98	09.07.99
20.	Mathania Integrated Solar Combined Cycle Power Station M/s Rajasthan State Power Corpn. Ltd.	Raja-sthan	State	140	140	4/99	27.8.99
21.	Kaniminke Combined Cycle Power Project- M/S Peenya Power Co.	Karna-taka	Private	107.6	107.6	12/97	20.9.99
22.	Akrimota Thermal Power Project M/s Gujarat Mineral Development Corpn. Ltd.	Gujarat	State	2X125	250	3/99	6.9.99
23.	Vembar Combined Cycle Power Plant— M/S Indian Power Project Ltd.	Tamil Nadu	Private	1873	1873	2/99	24.9.99
24.	Rihand STPS St-II—NTPC	U.P.	Central	2X500	1000	9/98	1.10.99
25.	Sipat STPP-I—NTPC	M.P.	Central	3X660	1980	5/97	17.1.2000
26.	Pragati CCGT in Delhi— DVB	Delhi	State	330	330	11/98	10.2.2000
27.	Guru Hargobind TPP St-II—M/S PSEB	Punjab	State	2X250	500	5/99	15.9.2000
28.	Hazira CCPP— M/S Gujarat State Energy Generation Ltd.	Gujarat	State	156	156	2/2000	22.9.2000
29.	Ramgarh CCPP St. II	Rajas-than	State	75.325	75.325	11/98	16.2.2001
RR VUNL							
30.	Raichur TPP U—7 M/s Karnataka Power Corporation Ltd.	Karna-taka	State	210	210	8/98	31.1.2001
31.	Kovilkalappal CCPP	Tamil Nadu	State	107.88	107.88	28.7.99	28.2.2001
TNEB							
32.	Suratgarh TPS St. III M/S RR VUNL	Raja-sthan	State	250	250	6.11.00	27.7.01
33.	Dhuvaran CCPP M/S Gujarat Elec. Corp. Ltd.	Gujarat	State	106.617	106.617	30.3.00	30.10.01
34.	Barh STPP NTPC	Bihar	Central	3X660	1980	29.5.00	1.10.01
35.	Kahalgaon STPP St. II—NTPC	Bihar	Central	2X660	1320	2.3.00	23.11.01

1	2	3	4	5	6	7	8
36	Mejia TPS Extn U—IV—DVC	Bihar	Central	1X210	210	11.1.01	21.3 02
37	Monarchak Gas Based CCPP—NEEPCO	Tripura	Central	5[illegible]	500	31.8 00	19.2.02
38	Kota TPP U—6, St.—IV-M/S RRVUNL	Raja-sthan	State	195	195	18.6.01	23.5.02
39	Perungulam—TNEB	Tamil Nadu	State	94	94	8.6.00	2.8.02
40	Bakreshwar U-4 & 5 M/S WBPDCL	West Bengal	State	420	420	30.4.01	31.5 02
41.	Supplementary Scheme for inclusion of switchyard in the scope—Sipat St-I-(3X660 MW) project M/s Power Grid Corporation India Ltd	Chhattis-garh	Central	-	0	3/2002	2.8.02
42.	Neyveli TPS-II Expansion M/s Neyveli Lignite Corpn. Ltd.	Tamil Nadu	Central	2X250	500	28.2.02	19.8.02
43	Sipat STPP St-II —NTPC	Chhattis-garh	Central	1X660	660	7.6.2000	29.8 02
44	Vindhyachal STPP St-III—NTPC	M P	Central	2X500	1000	2.6.2000	27.8.02
45.	Anpara 'C' TPS— M/s UPRVUNL	U.P.	State	2X500	1000	6.6.02	16.1.03
46.	Tau Devi Lal TPS— M/s HPGCL	Haryana	State	2X250	500	19.6.01	8.8.02
47.	Kuttalam CCGT— M/s TNEB	Tamil Nadu	State	100	100	30 5.01	27.12 02
48	Birsinghpur Extn.— M/s MPSEB	M.P.	State	1X500	500	24.6.02	20.12.02
49	Vijayawada TPS St-IV— M/s APGENCO	A P.	State	1x660	660	1.8.02	28.2.03
50.	Kutch lignite TPS Extn. Unit IV— M/s GEB	Gujarat	State	1X75	75	12.9.02	6 3.03
51.	Monarchak Gas based CCPP— NEEPCO	Tripura	Central	280	280	18.2.03	25.4 03
52.	Kahalgaon STPP St—II NTPC	Bihar	Central	2X500	1000	-	13.6 03
53	Paras TPS Expansion MSEB	Maha-rashtra	State	1x250	250	-	13.6 03
	Total				**27693.172**		

(c) DETAILS OF THE TIME OVER-RUN AND COST OVER-RUN IN RESPECT OF THERMAL GENERATING ALREADY COMPLETED DURING IXTH PLAN

Sl. No.	Name of Project & Date of Sanction/TEC/ Executing Agency	Unit No	Capacity (MW)	Comm. Schedule Orig.	Comm. Schedule Actual/As now exptd	Time over Run (Months)	Estimated Cost Orig (Rs. Crs.)	Estimated Cost Latest/ Actual (Rs. crs.)	Cost Esc (Rs crores.) (%)
1	2	3	4	5	6	7	8	9	10
	STATE SECTOR NORTHERN REGION HARYANA								
1	Panipat St. IV Date of Sanction. 1/89 HPG Corp. Ltd.	6	210	Sep-93	Mar 2001	90	238.27	1445.58	1207 31 506 69%
	PUNJAB								
2	GHTP Bathinda Date of Sanction 7/93 PSEB	1 2	210 210	Jun-97 Dec-97	Dec-97 Oct-98	6 10	1789.00	1189.00	0
	RAJASTHAN								
3	Suratgarh St I Date of Sanction 11/91 RSEB	1 2	250 250	Jun-96 Dec-96	May-98 Mar-2000	23 39	1253.31	2281.65	1028.34 82.04%
	UTTAR PRADESH								
4	Tanda Date of Sanction 3/79 UPSEB	4	110	Mar-85	Feb-98	155	159.25	496.88	337 63 212 01%

1	2	3	4	5	6	7	8	9	10
WESTERN REGION									
MADHYA PRADESH									
5.	Sanjay Gandhi Extn.								
	Date of Sanction: 3/89	3	210	Mar-93	Feb-99	71	493.00	980.00	487
	MPEB	4	210	Sept-93	Nov-99	74			98.78%
	MAHARASHTRA								
6.	Chandrapur								
	Date of Sanction: 2/91	7	500	Mar-97	Oct-97	7	582.94	1150.00	567.06
	MSEB								97.27%
7.	Khaperkheda Extn. St.II								
	Date of Sanction: 6/88	3	210	Sep-94	May-2000	68	454.42	1370.33	915.91
	MSEB	4	210	Mar-95	Jan.-2001	70			201.75%
	GUJARAT								
8.	Kutch Lignite								
	Date of Sanction: 12/88	3	75	Dec-96	Apr-97	4	69.25	473.80	404.55
	GEB								584.18%
9.	Gandhinagar TPS	5	210	Jul-97	Mar-98	8	658.80	570.00	(-)88.80
	Date of Sanction: 14.6.94								(-) 13.48%
10.	V'anakbori TPS								
	Date of Sanction: 15.1.98	7	210	Mar-98	Dec-98	9	698.00	580.00	(-) 118.00
	GSECI								(-)16.90%
	SOUTHERN REGION								
	PONDICHERRY								
11.	Kothagundem TPP St. V								
	Date of Sanction: 3/94	9	250	Feb-97	Mar-97	1	1424.00	1429.00	15.00
	APSEB	10	250	Jul-97	Feb-97	7			1.05%

12.	LVS Power Project								
	State cleared	1	18.4	4/01	10/01	6	133	133	-
	LVS Power Ltd.	2	18.4	4/01	10/01	6			
	KERALA								
13	Bramapuram DG Sets								
	Date of Sanction: 9/93	1	20	Jan-96	May-97	16	281.00	374.86	93.86
	KSEB	2	20	Feb-96	Aug-97	18			33.40%
		3	20	Mar-96	Oct-97	19			
		4	20	Apr-96	Dec-97	20			
		5	20	May-96	Nov-98	30			
14.	Kovilkalappal								
	Date of TEC: 2/2001	GT	69	1/01	(-)	1	20.86M+		
		ST	38	7/01		4	Rs.199.29 Cr. incl. IDC +funding charges (Rs. 288.78 Cr.)		
15	Karaikal CCPP								
	Date of Sanction. 2/91	GT	22.9	Aug. 93	Mar-99	67	62.53	131.29	68.76
	PPCL	ST	9.6	May-94	Oct. 99	66			109.96%
	WEST BENGAL								
16.	Bakreshwar								
	Date of Sanction: 7/93	1	210	Apr-99	Jul-99	3	1727.18	2815.19	1088.01
	WBPDCL	2	210	Oct-99	May-2000	7	(Excl. Trans.	(Excl. Trans.	63%
		3	210	Jun-99	Mar-2001	21	System & IDC)	System & IDC)	
	NORTH EASTERN REGION								
	TRIPURA								
17.	Rokhia								
	Date of Sanction. 8/94	GT-5	8	Jun-96	Mar-97	9	48.95	85.45	36.50
	Elecy. Deptt., Tripura	GT-6	8	Sep-96	Aug-97	11			74.57%

1	2	3	4	5	6	7	8	9	10
	CENTRAL SECTOR								
	NORTHERN REGION								
	UTTAR PRADESH								
18	FG Unchahar ST.II Date of Sanction. 4/95 NTPC	3	210	Jan-2000	Jan-99	(-)12	1279.51 (Incl. Cost of Unit-4)	1404.64	125 13 9.78%
	WESTERN REGION								
	MADHYA PRADESH								
19	Vindhyachal STPP ST II Date of Sanction: 2/95 NTPC	7 8	500 500	Feb-2000 Feb-2001	Mar-99 Feb-2000	(-)11 (-)12	2753.38	2757 41	
	EASTERN REGION								
	WEST BENGAL								
20	Mejia Date of Sanction. 7/86 DVC	3	210	Sep-92	Mar-98	66	641.42 (Including Cost of Unit-1&2)	1989.14	1347.72 210.1%
	NORTH EASTERN REGION								
	TRIPURA								
21	Agartala GT 12/94 NEEi CO	GT-1	21	Feb-96	Feb-98	24	264 72	322 55	57.83
		GT-2	21	Mar-96	Feb-98	23			21 85%
		GT-3	21	Apr-96	Mar-98	23			
		GT-4	21	May-96	Jun-98	25			

	ASSAM								
22	Kathalguri CCGT								
	11/87	GT-1	33 5	Aug-90	Mar-95	55	203.17	1532.32	1329.15
	NEEPCO	GT-2	33 5	Sep-90	Mar-95	54	(Including cost of		654 21%
		GT3	33 5	Oct-90	Jun-95	56	GT-1 to GT-6)		
		GT4	33 5	Nov-90	Jul-95	56			
		GT-5	33 5	Dec-90	Mar-96	63			
		GT-6	33 5	Jan-91	Oct-96	69			
		ST-1	30	Sep-91	Mar-98	78			
		ST-2	30	Nov-91	Mar-98	76			
		ST-3	30	Jan-92	Jul-98	78			
	PRIVATE SECTOR								
III	**WESTERN REGION**								
	GUJARAT								
	Surat Lignite TPS								
23.	TEC 8/96	1	125	Apr-98	Jan2000	21	1167 189	1210.00	42 82
	GIPCL	2	125	Jan-98	Nov-99	17		3.66%	3 66%
	SOUTHERN REGION								
	ANDHRA PRADESH								
	Kondapalli CCGT								
24.	Date of TEC. 1/98	GT-1	112	Feb-2000	Sep-2000	7	US$ 180.616Mn +		
	Kondapalli Power Ltd.	GT-2	112	Apr-2000	Jun-2000	2	Rs. 3852.54 lakhs		
		ST	126	Oct-2000	Oct-2000	0	(Comp. Est. Cost)		

1	2	3	4	5	6	7	8	9	10
	EASTERN REGION								
	WEST BENGAL								
25.	**Budge-Budge**								
	Date of Sanction: 10/92	1	250	Jun-96	Sep-97	15	1638.00	2570.00	932.00
	CESC	2	250	Dec-96	Mar-99	27			56.90%

(D) STATEMENT SHOWING DETAILS OF THE TIME OVER-RUN AND COST OVER-RUN IN RESPECT OF THERMAL GENERATING SCHEMES DURING 10TH PLAN

Sl. No.	Name of Project & Date of TEC(or) Sanction/ Executing Agency	Unit No.	Capacity (MW)	Comm. Schedule Orig.	Comm. Schedule Actual/As now expected	Time Over Run (In Months)	Estimated Cost Orig. (Rs. Crs.)	Estimated Cost Latest (Rs. Crs.)	Cost Esc. (Rs. Crs.) (%)
1	2	3	4	5	6	7	8	9	10
	STATE SECTOR								
	NORTHERN REGION								
	DELHI								
1.	Pragati CCPP	GT-1	104.6	11/01	03/02(A)	4	1077.30	1023.88	0
	Date of TEC: 02/2000	GT-2	104.6	01/02	11/02(A)	10			
	DVB	ST	121.18	08/02	01/03(A)	5			
	WESTERN REGION								
	GUJARAT								
2.	Akrimota Lignite based	1	125	12/02	03/05(A)	27	1338.42	1338.42	0
	TPP	2	125	6/03	08/05	26			
	Date of TEC: 09/99								
	GMDCL								

3.	Dhuvaran CCPP Date of TEC: 10/01 GSECL	GT ST	67.85 38.767	05.03 07/03	06/03(A) 09/03(A)	1 2	310.06	310.06	0
	NORTH EASTERN REGION **MANIPUR**								
4.	Leimakhong DGPP Date of Sanction: 03/99 Power Deptt., Govt. of Manipur	1 2 3 4 5 6	6 6 6 6 6 6	10/98 10/98 11/98 11/98 12/98 12/98	03/02(A)* 03/02(A)* 03/02(A)* 04/02(A) 04/02(A) 04/02(A)	41 41 40 41 40 40	113.38	134.24	20.86 (18.40%)
				(*DG-1, 2&3 have been commissioned in 9th Plan)					
	MIZORAM								
5.	Dairabi DGPP Date of Sanction :06/09 Govt. of Mizoram	DG-1 DG- 2DG-3 DG-4	5.73 5.73 5.73 5.73	03-04	05/04(A)	2	87.73	118.62	30.89 (35.21%)
	TRIPURA								
6.	Rokhia GT Extn. Date of Sanction: 10/99 Govt. of Tripura	7	21	03/02	07/02(A)	4	85.17	85.17	0
7.	Baramura GT Extn. Date of Sanction: NA Govt. of Tripura	4	21	09/02	11/02(A)	2	95.36	95.36	0
	TAMIL NADU								
8.	Kuttalam GTPP Date of Sanction: 07/2000 TNEB	GT ST	64 36	09/03 10/03	11/04(A) 03/03(A)	2 5	311.11	-	-

1	2	3	4	5	6	7	8	9	10
9.	Valuthur GTPP Date of Sanction: 03/2000 TNEB	GT ST	60 34	02/02 06/02	12/02(A) 03/03(A)	10 9	301.00		
	CENTRAL SECTOR **EASTERN REGION** **WEST BENGAL**								
10.	Mejia TPS Extn Date of Sanction: 03/02 DVC	4	210	07/04	10/04(A)	3	797.82	723.71	
	SOUTHERN REGION **TAMIL NADU**								
11	Neyveli TPS-I Expansion Date of Sanction: 02/96 NLC	1 2	210 210	08/2000 02/2001	10/02(A) 07/03(A)	26 29	1590.58	1566.23	0